

## Summary of Data Submitted and Additional Required Data for HeiQ AGS-20

Guideline Number	Guideline Name	Submission Status
<b>Product Identity and Composition</b>		
830.1550	Product identity and composition	SA
830.1620	Description of production process	S
830.1650	Description of formulation process	S
830.1670	Discussion of formulation of impurities	S
830.1700	Preliminary analysis	S
830.1750	Certified limits	SA
830.1800	Enforcement analytical method	SA
830.1900	Submittal of samples	R
<b>Physical and Chemical Properties</b>		
830.6302	Color	S
830.6303	Physical state	S
830.6304	Odor	S
830.6313	Stability to normal and elevated temperatures, metals, and metal ions	R
830.6317	Storage stability	SA
830.6320	Corrosion characteristics	SA
830.7000	pH	S
830.7050	UV/visible light absorption	R (Tier 1&2)
830.7200	Melting point/melting range	S
830.7300	Density/relative density/bulk density	S
830.7520	Particle size, fiber length, and diameter distribution	SA (Tier 1&2)
830.7550/7560/7570	Partition coefficient (n-octanol/water)	NR
830.7840/7860	Water solubility	SA (Tier 1&2)
NA	Dissolution Kinetics Study	R
NA	Surface Area	R (Tier 1&2)
NA	Zeta Potential and Surface Charge	R (Tier 2)

## Environmental Effects

Guideline Number	Data Requirement	HeiQ
850.1010	Acute toxicity freshwater invertebrates	R (Tier 1&2)
850.1075	Freshwater fish toxicity	R (Tier 1&2)
850.2100	Avian oral toxicity	R (Tier 1&2)
850.5400	Aquatic plant growth (algal and aquatic vascular plant toxicity)	R (Tier 2)

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### Human Exposure

Guideline Number	Data Requirement	HeiQ
875.1200	Dermal Exposure-Indoor	R
875.1400	Inhalation Exposure-Indoor	R
NA	Leaching Study	R

### Human Health Risk Assessment (Toxicology)

Guideline Number	Data Requirement	HeiQ
870.1100	Acute Oral Toxicity	S
870.1200	Acute Dermal Toxicity	S
870.1300	Acute Inhalation Toxicity	S
870.2400	Acute Eye Irritation	S
870.2500	Acute Dermal Irritation	S
870.2600	Skin Sensitization	S
870.3200	21-Day dermal Toxicity (Rat)	R (Tier 1&2)
870.3465	90-Day Inhalation Toxicity (Rat)	R (Tier 1&2)
870.3650	Combined Repeat Dose Toxicity Study with Reproduction/Developmental Toxicity Screening Test	R (Tier 1&2)
870.5100	Bacterial Reverse Mutation Test	R (Tier 1&2)
870.5300	In vitro Mammalian Cell Gene Mutation test	R (Tier 1&2)
870.5375	In Vitro Mammalian Chromosome Aberration Test	R (Tier 1&2)
870.5385	Mammalian Bone Marrow Chromosomal Abberation test	R (Tier 1&2)
870.5395	Mammalian Erythrocyte Micronucleus Test	R (Tier 1&2)

### Environmental Fate

Guideline Number	Data Requirement	HeiQ
850.1730	Fish BCF	R (Tier 2)
835.1230	Adsorption/Desorption (Batch Equilibrium)	R (Tier 2)
NA	MITI Glucose	R (Tier 2)